

New York, 5, 6, 8, 10, 11, 13, 18, 25, 26. North Carolina, 3, 9, 10, 12, 17, 25, 26, 28, 29, 30. North Dakota, 13, 14, 18, 19, 20. Ohio, 5, 6, 8, 9, 10, 16, 18, 23 to 26. Oklahoma, 1, 4. Oregon, 4, 9, 17. Pennsylvania, 5, 6, 8, 9, 10, 16, 18, 25, 26. Rhode Island, 10, 16. South Carolina, 2, 12, 16, 28, 30. South Da-

kota, 4, 15, 19, 20, 28. Tennessee, 8, 9, 10, 14, 15, 28. Texas, 1, 26 to 29. Utah, 5, 16, 19, 23. Vermont, 10 to 13, 22. Virginia, 5, 8, 9, 10, 12, 14, 17, 19, 25, 26, 28. Washington, 2 to 5, 8, 13, 14, 17. West Virginia, 4, 6, 9, 10, 19, 25, 26, 29. Wisconsin, 18, 20, 21.

WIND.

PREVAILING DIRECTIONS.

The prevailing winds for January, 1895, viz, those that were recorded most frequently at Weather Bureau stations, are shown in Tables I and IX; they are not given on Chart II, as has hitherto been the custom, but the resultant winds are published instead.

HIGH WINDS.

Maximum wind velocities of 50 miles, or more, per hour were reported at regular stations of the Weather Bureau as follows (maximum velocities are averages for five minutes; extreme velocities are gusts of shorter duration, and are not given in this table):

| Stations. | Date. | Velocity. | Direction. | Stations. | Date. | Velocity. | Direction. |
|--------------------------|-------|--------------|------------|---------------------------|-------|--------------|------------|
| | | <i>Miles</i> | | | | <i>Miles</i> | |
| Amarillo, Tex..... | 5 | 50 | sw. | Fort Canby, Wash..... | 20 | 52 | e. |
| Do | 20 | 76 | w. | Grand Haven, Mich..... | 21 | 50 | sw. |
| Block Island, R. I. | 10 | 58 | ne. | Hannibal, Mo..... | 21 | 50 | w. |
| Do | 26 | 56 | se. | Idaho Falls, Idaho | 16 | 52 | s. |
| Buffalo, N. Y | 26 | 64 | w. | Kittyhawk, N. C..... | 25 | 52 | se. |
| Do | 27 | 59 | w. | Do | 26 | 56 | se. |
| Cairo, Ill | 25 | 52 | sw. | Do | 28 | 50 | n. |
| Chicago, Ill | 21 | 64 | sw. | Lexington, Ky | 26 | 60 | sw. |
| Do | 25 | 60 | np. | Milwaukee, Wis | 21 | 50 | sw. |
| Cleveland, Ohio | 13 | 54 | sw. | Port Huron, Mich..... | 21 | 53 | sw. |
| Davenport, Iowa | 21 | 54 | sw. | Pueblo, Colo..... | 17 | 50 | sw. |
| Eastport, Me..... | 26 | 66 | se. | St. Louis, Mo | 21 | 56 | sw. |
| Fort Canby, Wash..... | 2 | 58 | e. | Tatoosh Island, Wash..... | 2 | 66 | e. |
| Do | 3 | 56 | e. | Do | 8 | 73 | e. |
| Do | 4 | 53 | e. | Do | 12 | 54 | s. |
| Do | 9 | 52 | s. | Do | 13 | 50 | w. |
| Do | 10 | 52 | se. | Do | 15 | 52 | e. |
| Do | 11 | 53 | se. | Do | 16 | 50 | e. |
| Do | 12 | 77 | se. | Winnemucca, Nev..... | 4 | 60 | s. |
| Do | 13 | 54 | se. | Woods Holl, Mass..... | 18 | 50 | sw. |
| Do | 15 | 50 | e. | Do | 26 | 54 | sw. |
| Do | 16 | 58 | e. | | | | |

LOCAL STORMS.

Destructive or severe local storms were reported as follows:

- 3d.**—Seattle, Wash., snowstorm.
5th.—Salt Lake City, Utah, windstorm.
6th.—Little Rock, Ark., thunderstorm.
7th.—Nunnally, Tenn., and Greendale, Ky., thunderstorms.
8th.—Kershaw, S. C., thunderstorm.
13th.—Near Fulton, Mo., windstorm.
16th.—Mobile, Ala., thunderstorm; several persons injured.
17th.—Oakland, Cal., windstorm.
18th.—Northwestern part of Daviess County, Mo., windstorm.
19th.—Los Angeles, Cal., rainstorm.
20th.—Kiowa, Kans., windstorm.
21st.—New Iberia, La., windstorm; 1 person injured. Eg-lantine and near Pocahontas, Ark., windstorms. Winslow, Ark., thunderstorm. Near Greenway, Ark., thunderstorm; 13 persons injured. Covington, Tenn., and Unionville, Mo., thunderstorms. Nelson, Mo., and Benton Harbor and Muskegon, Mich., windstorms.
24th.—Livingston, Tex., windstorm.
25th.—Crowley, La., windstorm; 1 person killed. Western part of Vermilion County, La., windstorm; 2 persons killed. Rayne, La., windstorm. Kountze, Tex., windstorm; 2 persons injured. Near Beaumont, Texas City, Olive, and Dodge, Tex., and Olney, Ill., windstorms.
28th.—Magnolia, Miss., windstorm; several persons injured. Alvin, Tex., windstorm. Galveston, Lamarque, Webster, and Clear Creek, Tex., thunderstorms. Dickinson, Tex., thunderstorm; 4 persons injured.

ATMOSPHERIC ELECTRICITY.

GENERAL STATISTICS.

The statistics relative to auroras and thunderstorms for this month are given in detail in Table XI, which shows the number of stations from which meteorologic reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month.

THUNDERSTORMS.

A mention of the more severe thunderstorms reported during the month is made under "Local storms." The dates on which reports of thunderstorms were most numerous were: 6th, 7th, 16th, 20th, 21st.

The States where thunderstorm reports were most numerous were: Louisiana, Ohio, Missouri, Illinois, Mississippi, Florida, Iowa, and North Carolina.

The States where the dates of thunderstorms were most frequent were: Louisiana, where they were recorded on 15 days; Florida, on 14 days; Ohio, on 9 days; Mississippi, on 8 days; North Carolina and Arkansas, on 7 days.

AURORAS.

The evenings on which bright moonlight must have inter-

ferred with observations of faint auroras are assumed to be the four days preceding and following the date of full moon, viz, from the 6th to the 14th, inclusive. On the remaining twenty-two days of this month 122 reports were received, or an average of 6 per day. The dates on which the reported number especially exceeded this average were: 1st, 18; 16th, 15; 19th, 16.

The States from which auroras were reported by a large percentage of observers were: Vermont, North Dakota, New Hampshire, and Minnesota.

The States where the dates of auroras were most numerous were: Wisconsin, 11; Minnesota, 10; Colorado, 8; Nevada, North Dakota, and Vermont, 5.

CANADIAN DATA—THUNDERSTORMS AND AURORAS.

Auroras were reported as follows: 1st, Kingston, Ont.; 2d, Medicine Hat, Assin., and Prince Albert, Sask.; 15th, Medicine Hat, Assin.; 17th, Father Point and Quebec, Que.; White River, Ont., and Minnedosa, Man.; 18th, Father Point, Que., and Qu'Appelle, Assin.; 19th, St. Andrews, N. B., Quebec, Que., Kingston, Ont., Minnedosa, Man., and Medicine Hat, Assin.; 20th, Father Point, Que., and Medicine Hat,